Approved For Release 2006/12/06 CIA-RDP78B04770A0002000100595824 855

HPIC/PADS/D/6-708 7 January 1966

MENORANDUM FOR	: Chief, Development Branch, P&DS	
THROUGH:		25X1
SUBJECT :	Feasibility Study of Multiple Image Integration Viewer-Printer	
REFERENCE:	Project #998485,	25X1
l. Attac 1965 and a let additional inc	ter from suggesting a change in contract to provide	25X1 25X1
able to incorp system. Basic in size, one of correlated and integrated ima one second. Of suppression. Viewer during will prove ext	werall report is very good and it appears that will be crate all of the features and capabilities required in this cally the system can handle three film chips up to 9 1/2 inches thannel is selected as a master and the other two channels transformed geometrically by an electronic system. The age can be printed on film at high resolution in less than one of the important features is the gamma control and shadow. This was demonstrated in a breadboard attachment to an Area a monitor trip to the contractors facility. This feature cremely valuable in working with low contrast images.	25X1 25X1
project and or successful. 3. The or viewed at input magnification. 3.7x. While to be difficult to recorded image the film plane the integrated control house might be bette for lower magnification only the are only if we are only successful to the control to t	only reservation I have at this time is in the image area at. The proposed sizes are: 0.25 inches square for 12x 0.45 inches square for 6.7x and 0.80 inches square for this appears to be satisfactory for most photography, it may with large scale low contrast imagery. The final use of the will have to be considered in selecting the spot size at at. If the recorded film is to be used in reports to indicate image in relation to its surroundings (radar at airfield, at missile site, cooling towers at steel plant, etc.), it is to have a larger spot size at the film plane and settle diffication and resolution on the recorded film. Conversely, interested in integrating small film sizes, we should follow	
the sizes prop		25X1

Declass Review by NGA

CONFIDENTIAL

GROUP 1 Excluded from automa:i. fowngrading and factoristication

study, I feel that the overall size of the viewer-printer can be reduced. If the maximum size spot to be used in the input channels is 0.80 inches square, there seems to be little need of having each input channel platen large enough to accommodate 9 1/2 inch chips. A more realistic platen size would probably be 4 1/2 inches thus requiring less translating movement resulting in a decreased overall length and width.	
5. letter dated 8 December 1965 (Attachment 2) proposes a change in to include three performance incentives in addition to the cost incentive provisions. While this is a Logistics Branch responsibilities are quite interesting and are worth studying.	25X1 25X1
6. Any recommendations you may have as to the most appropriate film image spot size and overall size of the system would be appreciated. I am also most interested in finding out your viewpoint on the proposed changes in the contract and any course of action you may recommend.	
 7. Once these points have been satisfactorily resolved, I recommend that be instructed to proceed with Phase II or the fabrication stage of the contract.	25X1
	25X1
Attachment: 1 Report 65-9225-1 letter en Project 9225, dated 8 Dec 1965	25X1
Distribution: Original and 1 - Addressee 1 - Dep. Chief, DE/Pads	
1 - Ch/SSS/DB/PLDS	
<pre>1 - Project File/DB - #998485 1 - Chrono/DB</pre>	
NPIC/P&DS/DB: (5 Jan 66)	25X1